

**FIG. 1A**  
(PRIOR ART)

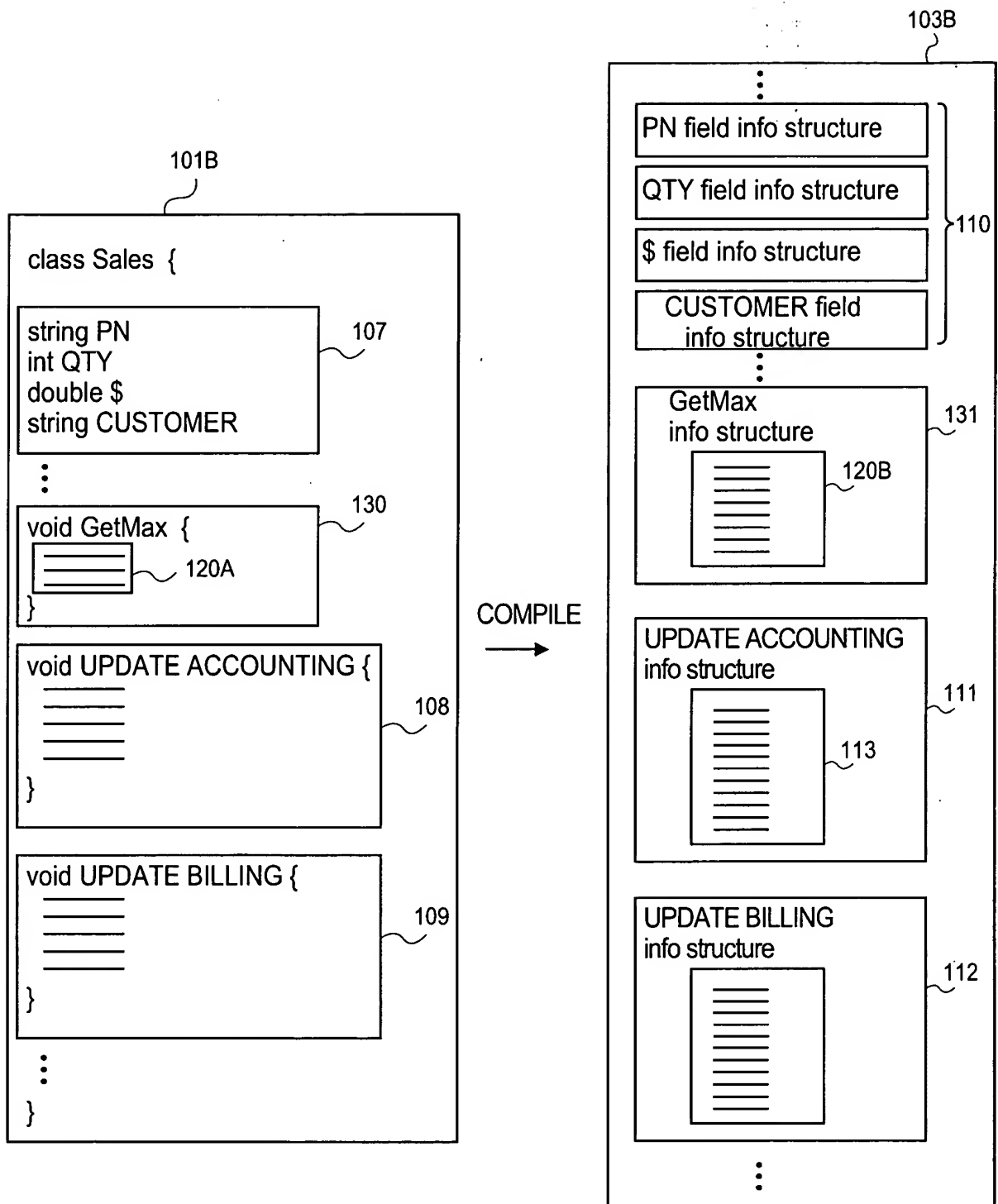
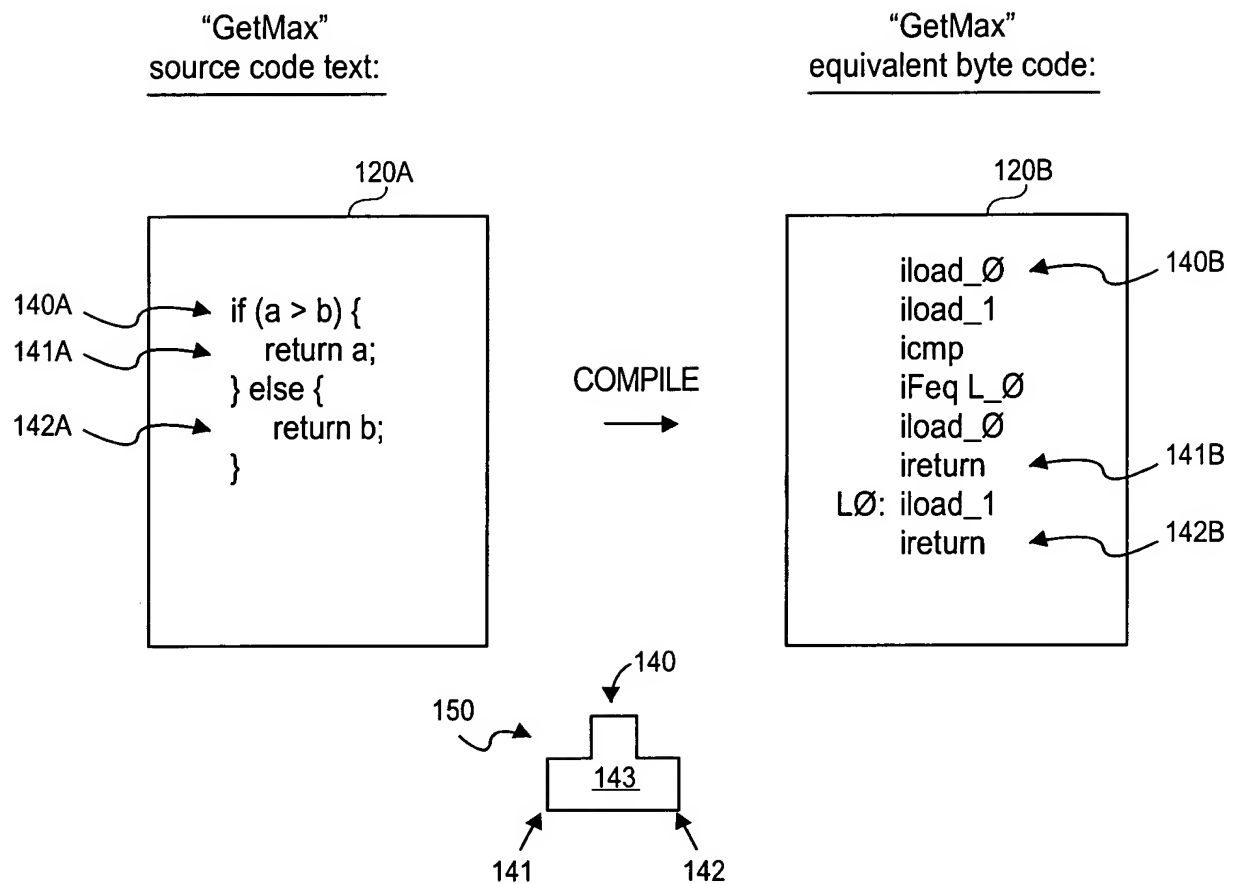
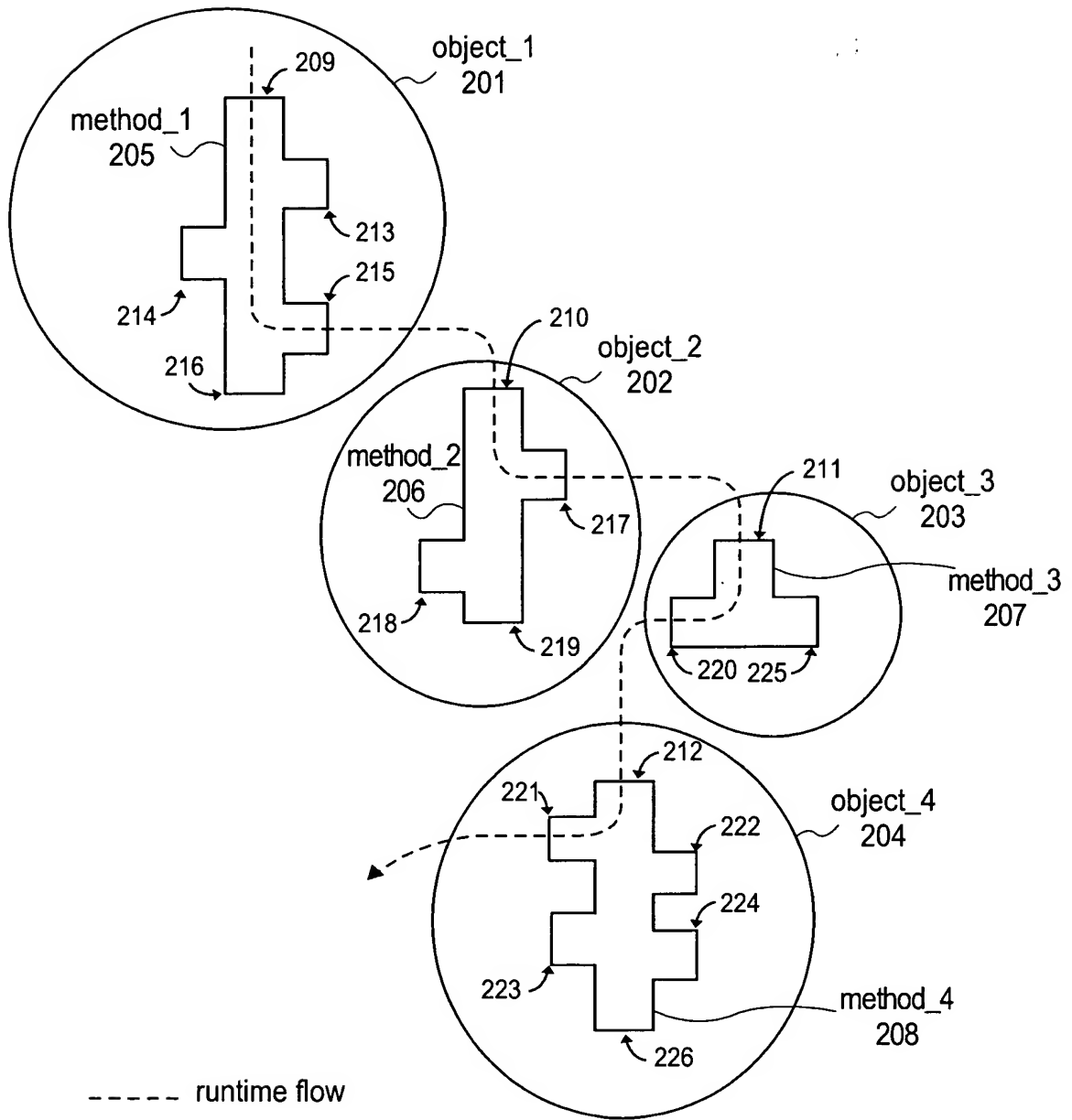


FIG. 1B  
(PRIOR ART)



**FIG. 1C**  
(PRIOR ART)



**FIG. 1D**  
(PRIOR ART)

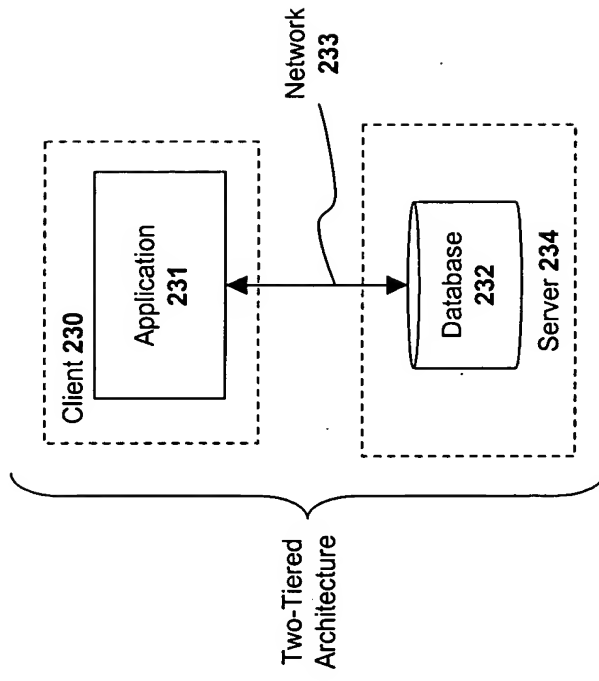


FIG. 2A  
(prior art)

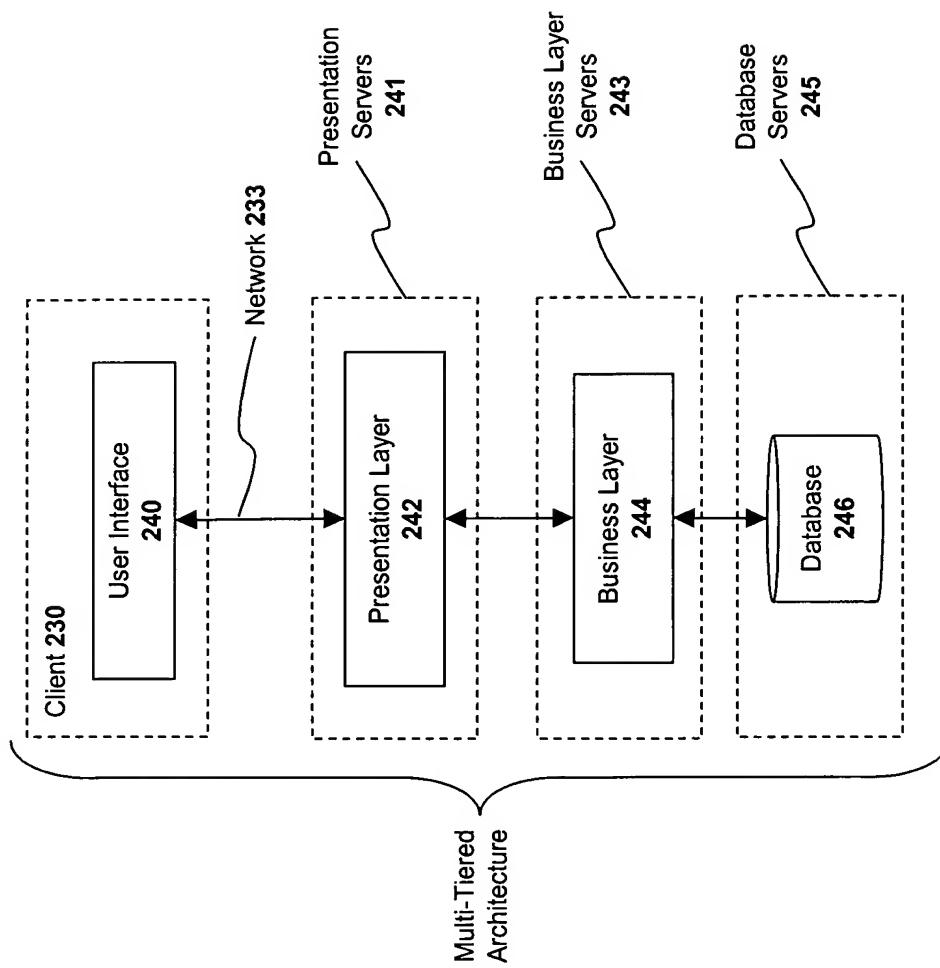
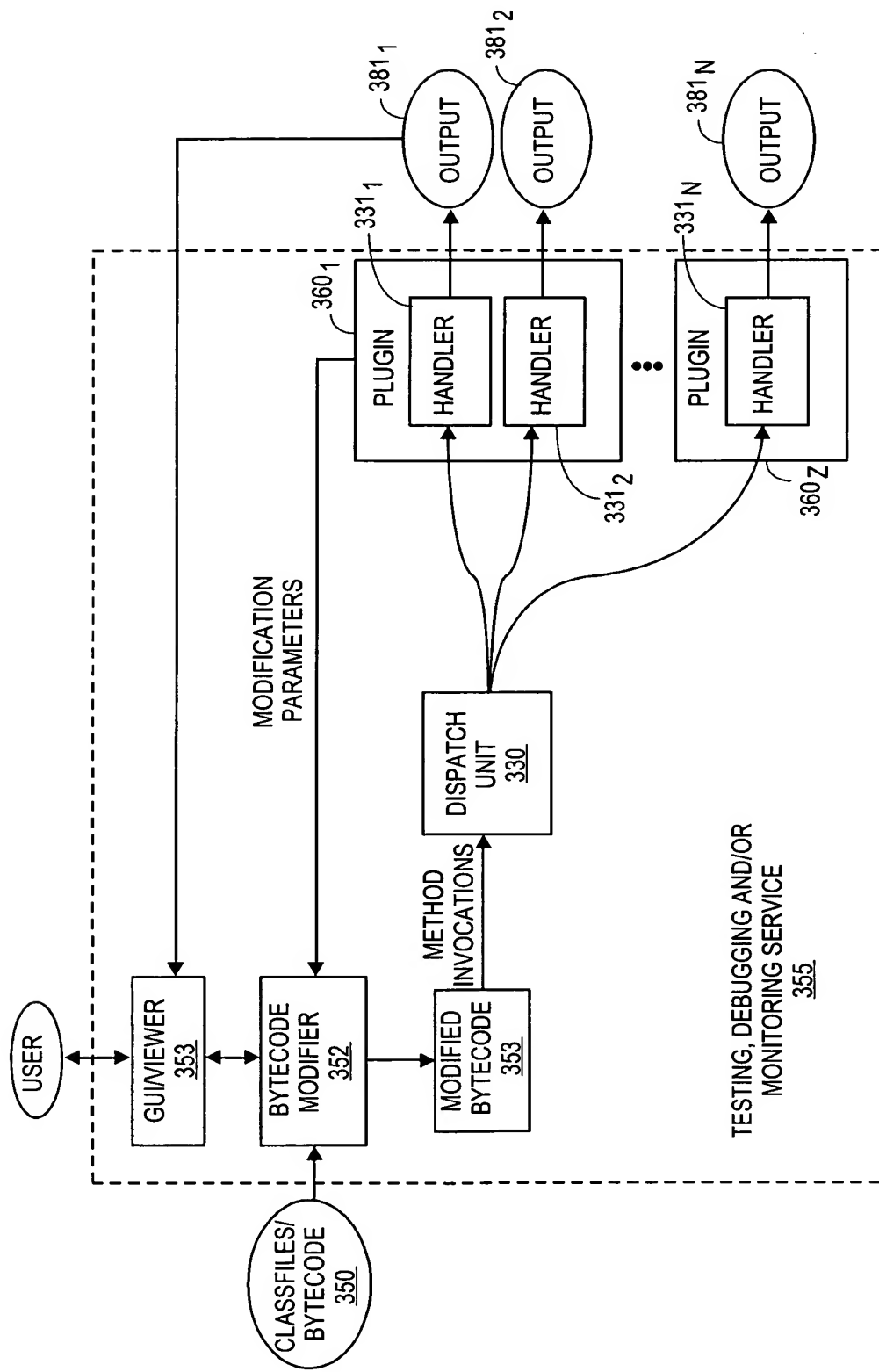


FIG. 2B  
(prior art)



**FIG. 3**

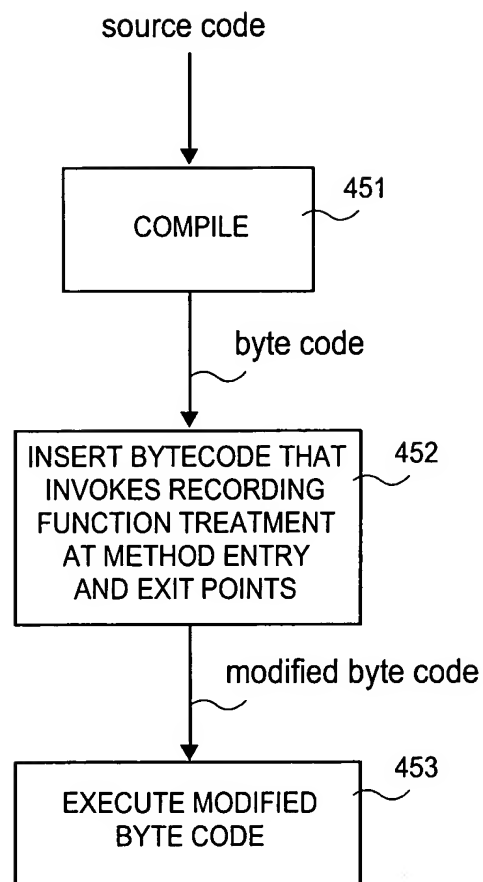


FIG. 4A



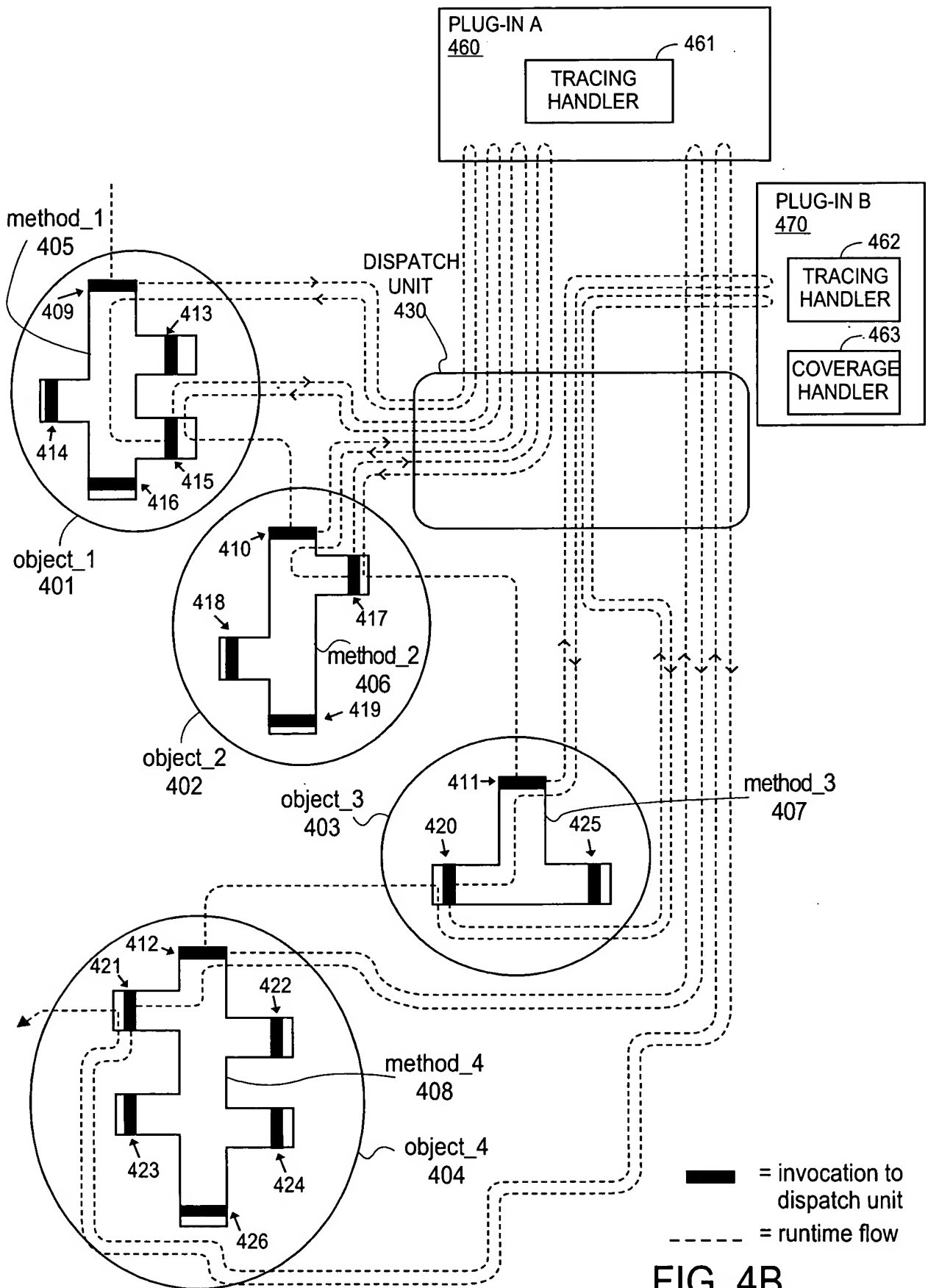
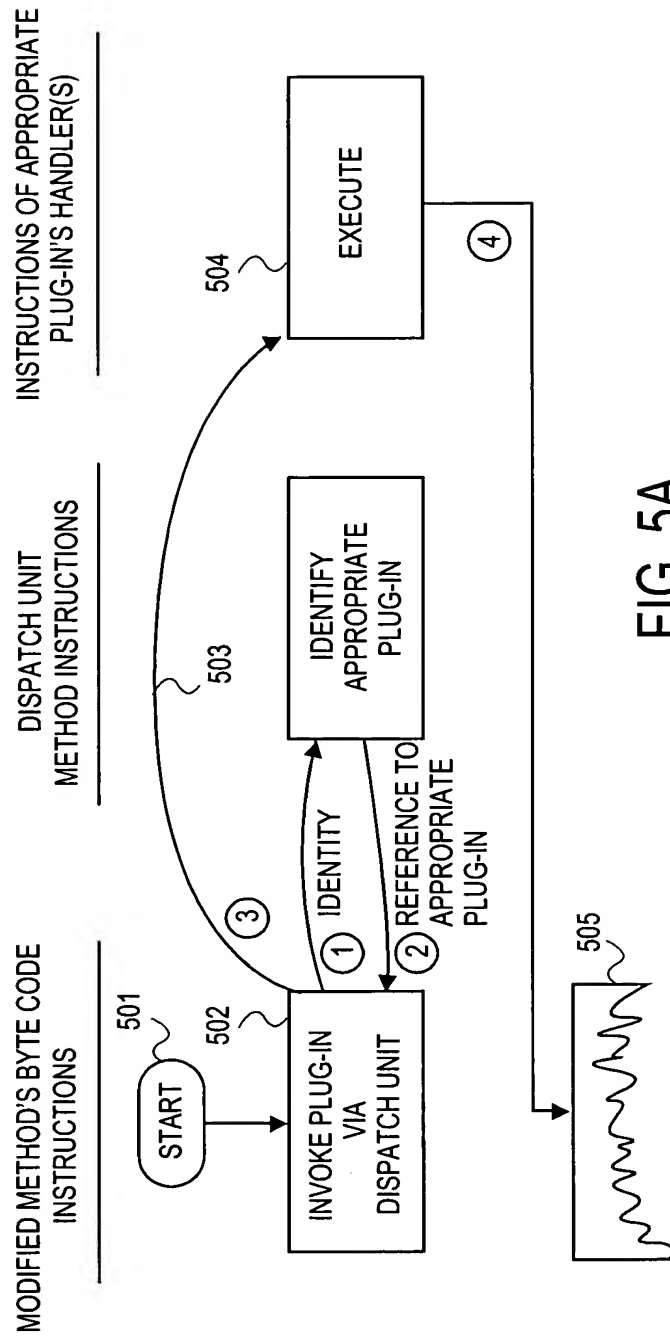


FIG. 4B



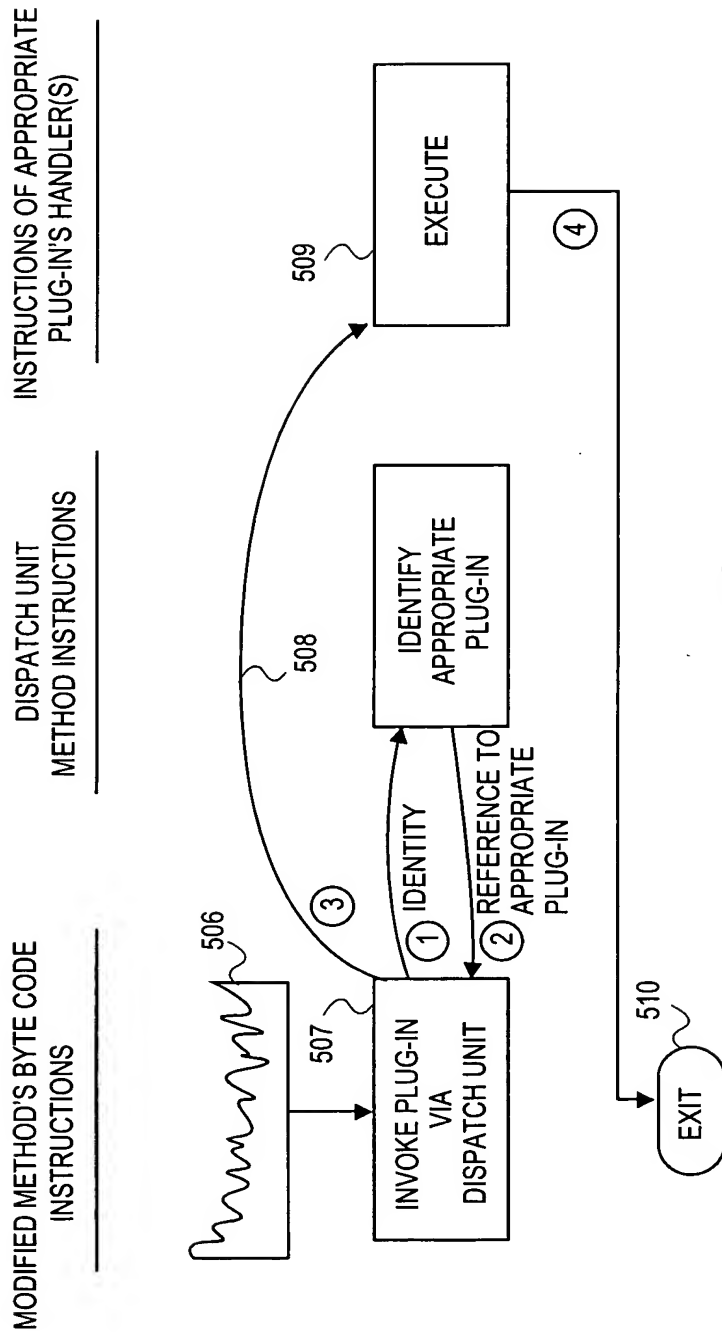


FIG. 5B

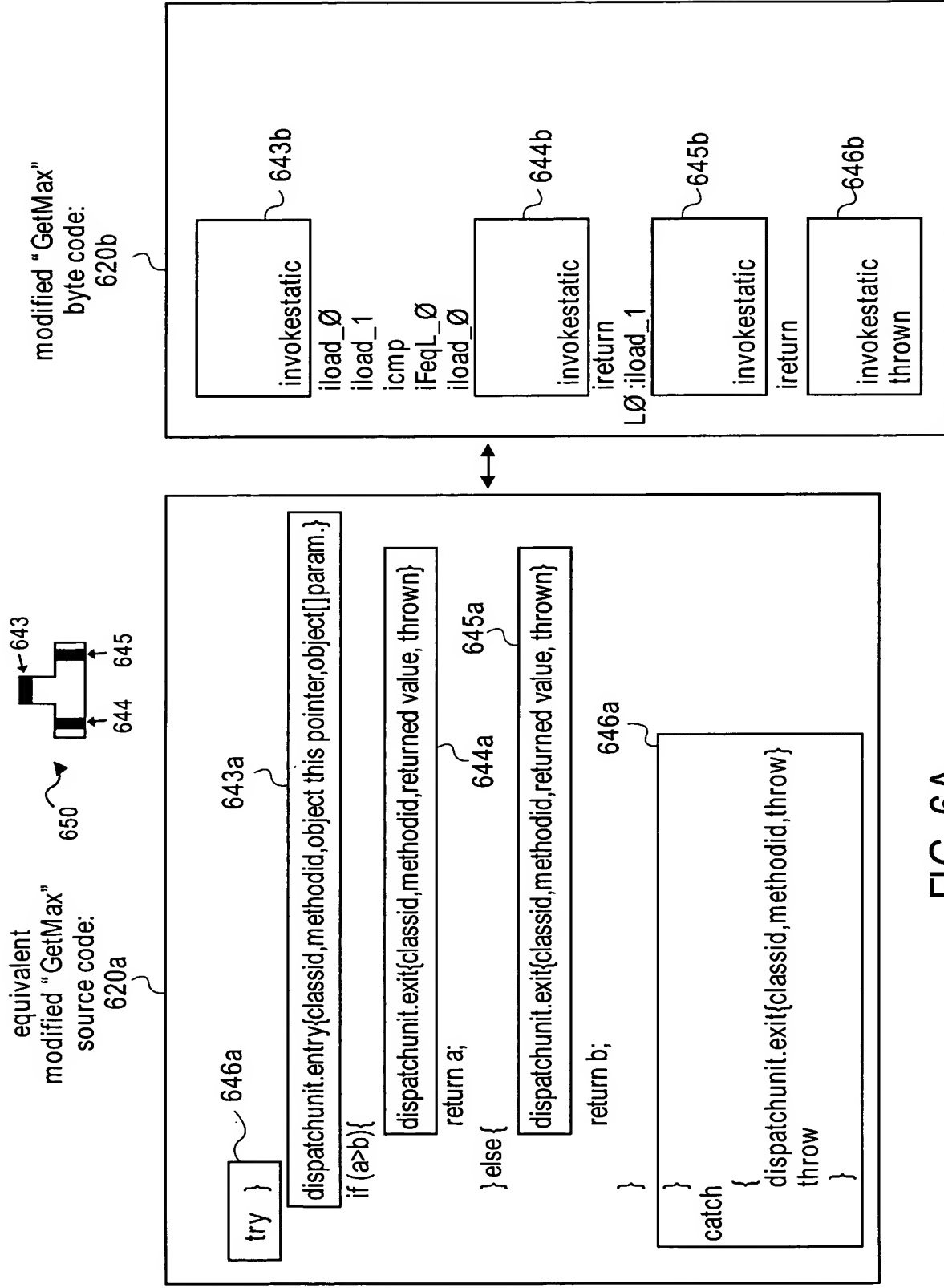


FIG. 6A

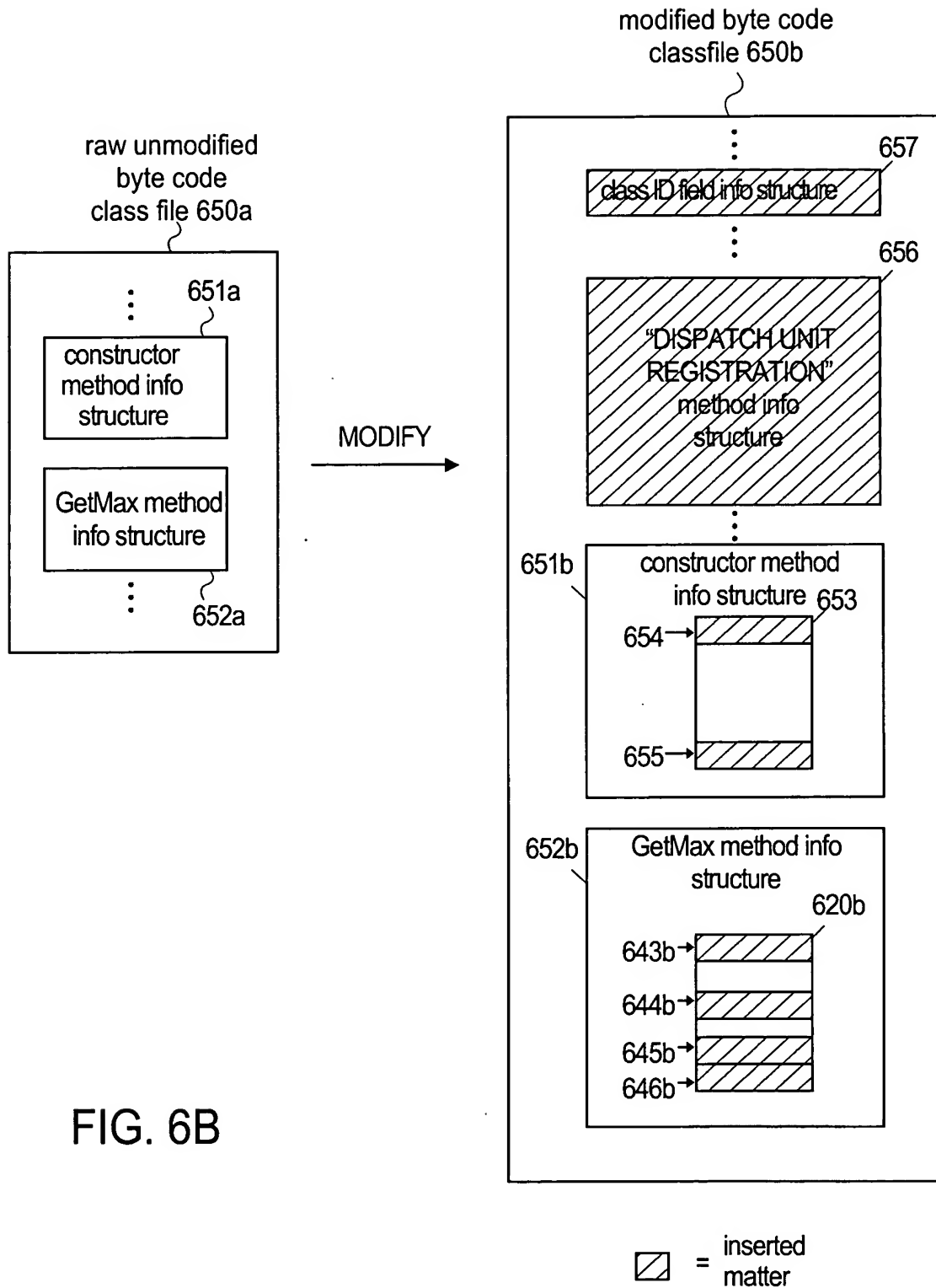


FIG. 6B

701

	INVOKING METHOD	PLUG IN MODULE
(method_1)	C <sub>1</sub> , M <sub>1</sub> , args <sub>11</sub>	PIM_A
(method_2)	C <sub>1</sub> , M <sub>2</sub> , args <sub>12</sub>	PIM_A
(method_3)	C <sub>2</sub> , M <sub>1</sub> , args <sub>21</sub>	PIM_B
(method_4)	C <sub>3</sub> , M <sub>1</sub> , args <sub>31</sub>	PIM_A

FIG. 7

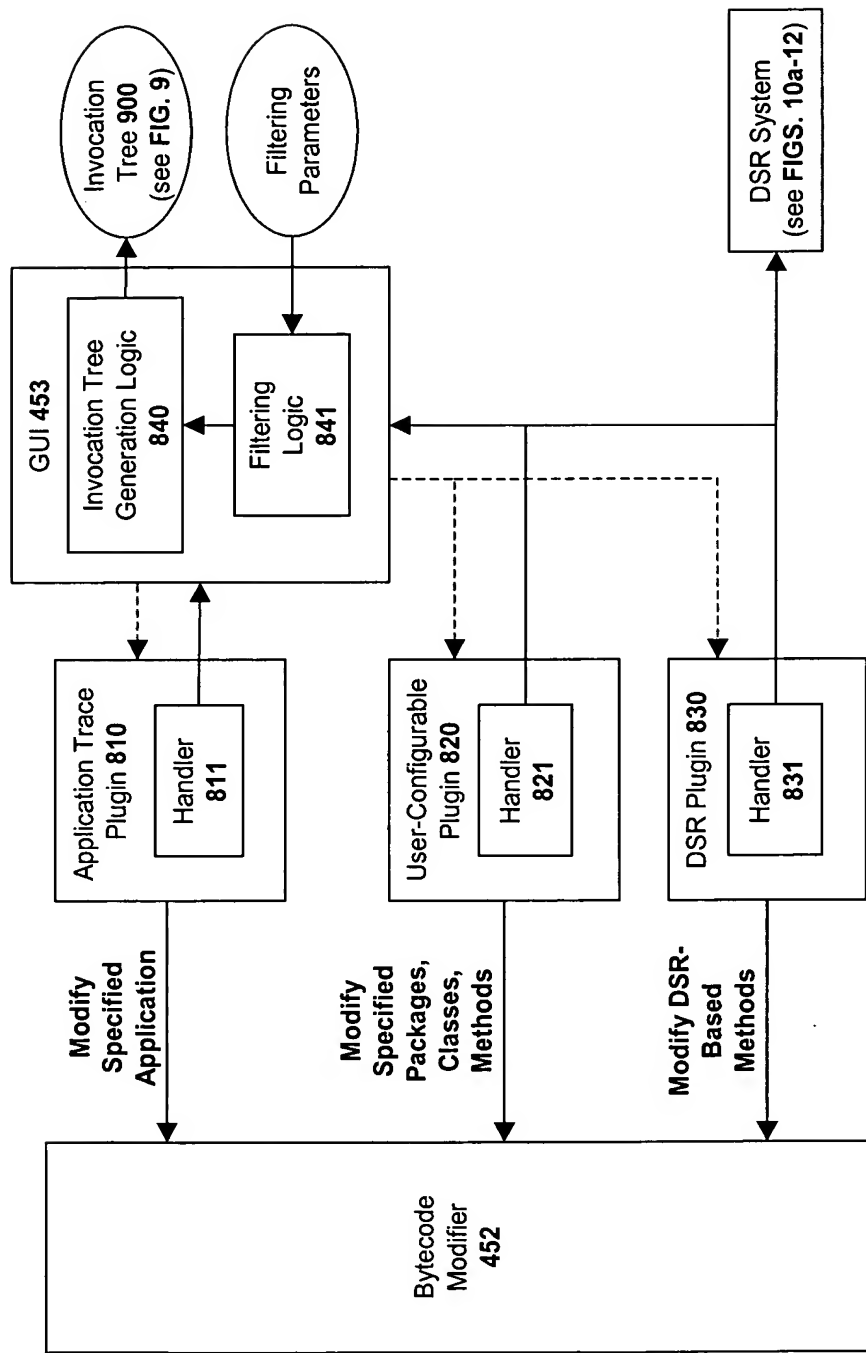


FIG. 8

# Invocation Tree

900

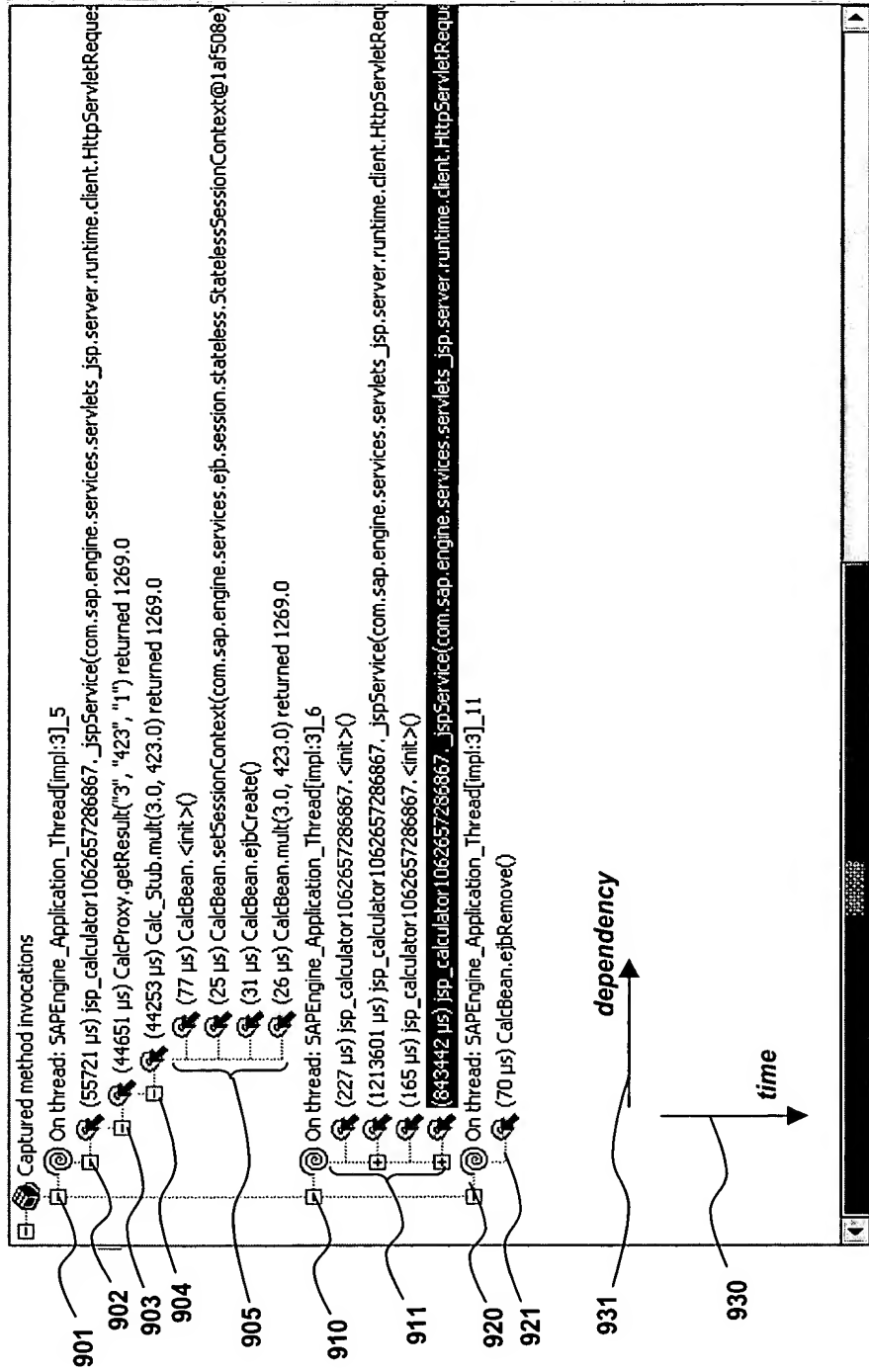


FIG. 9A



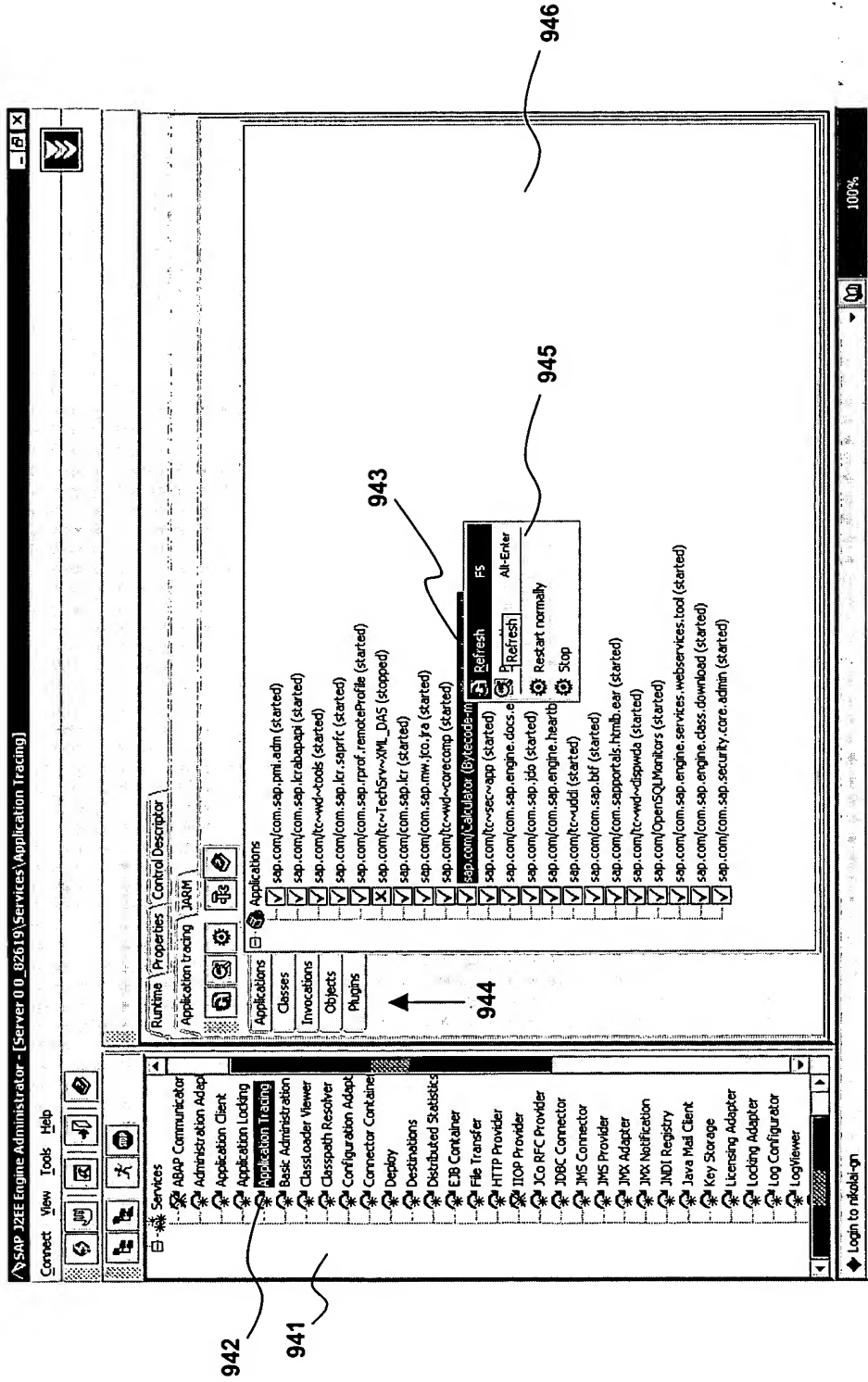


FIG. 9B

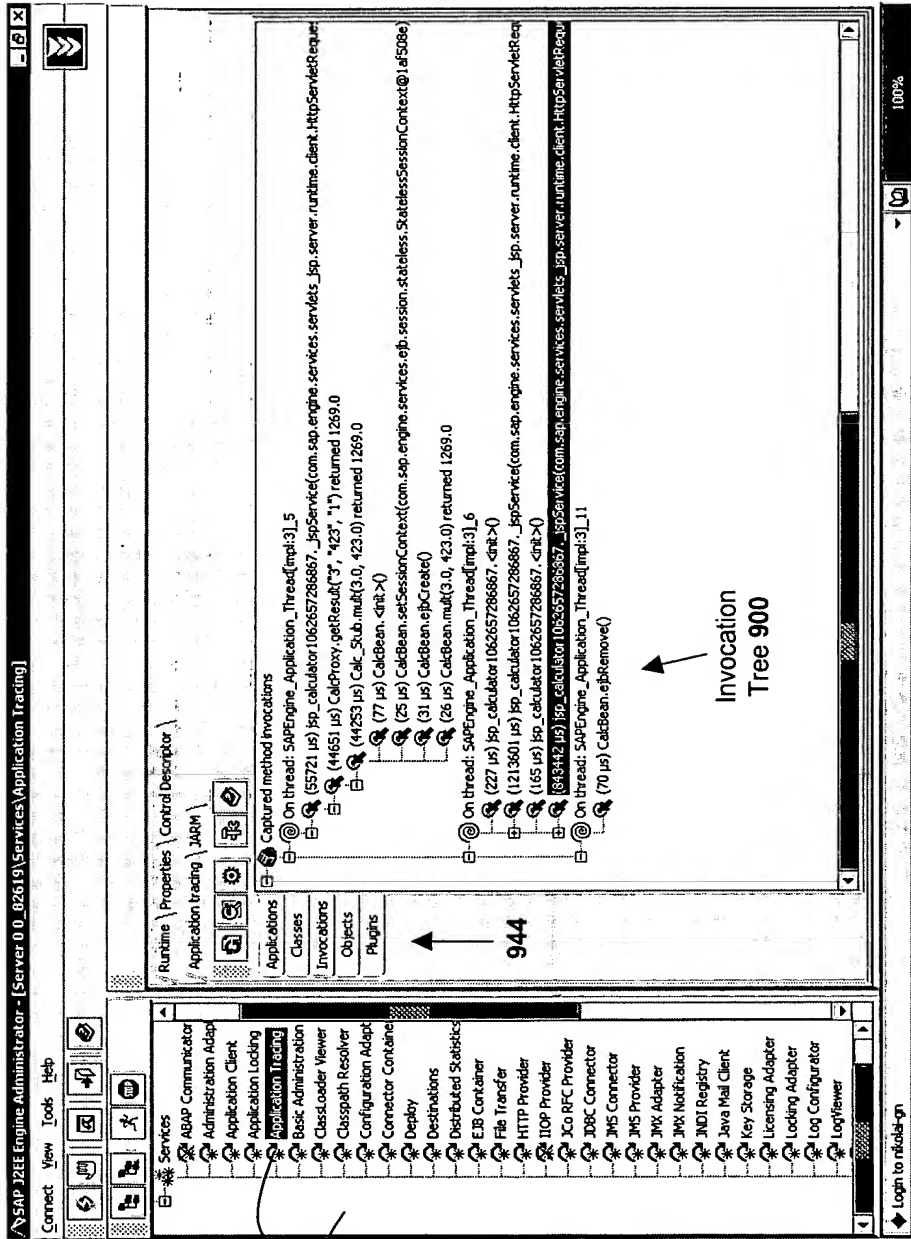


FIG. 9C





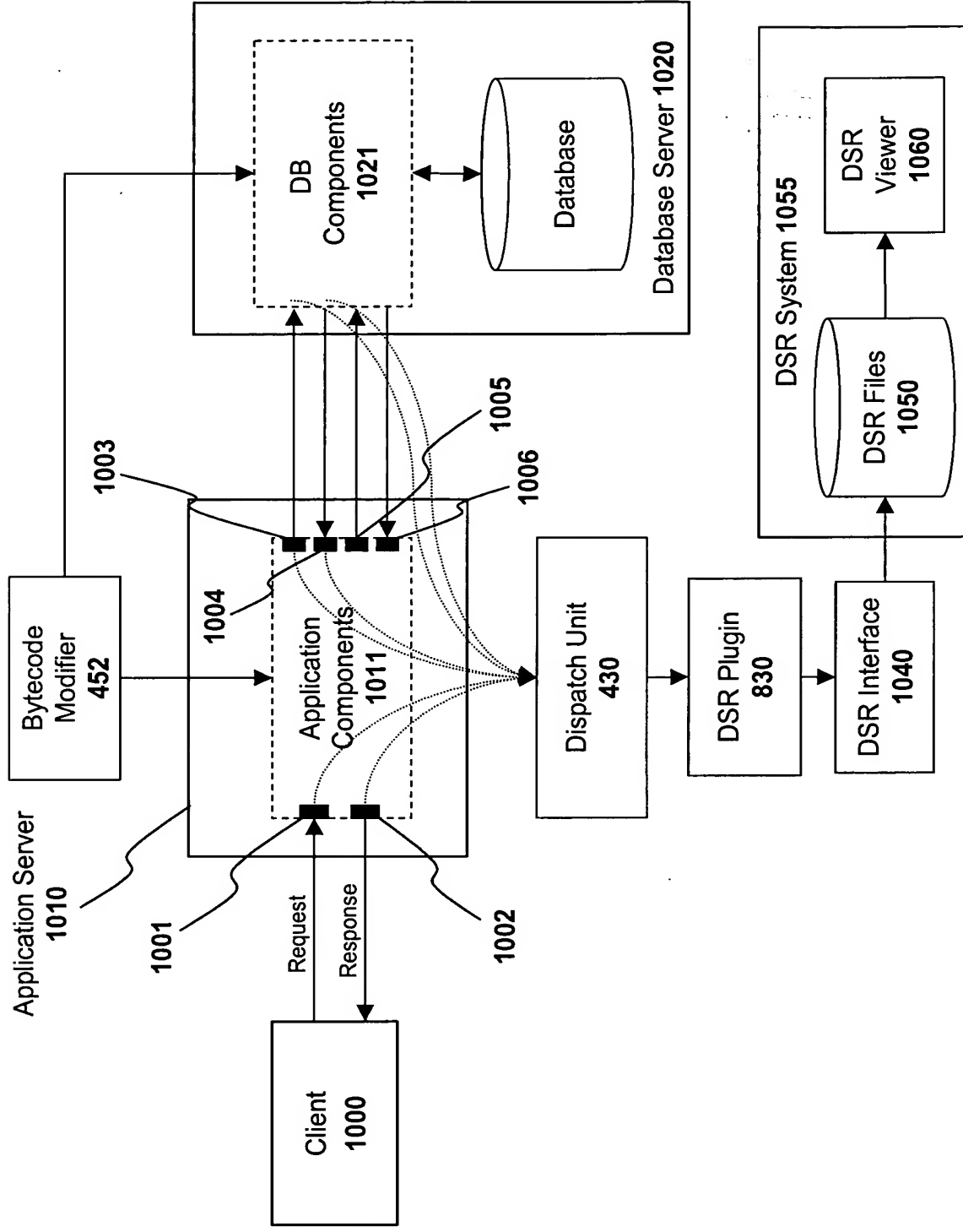


FIG. 10A

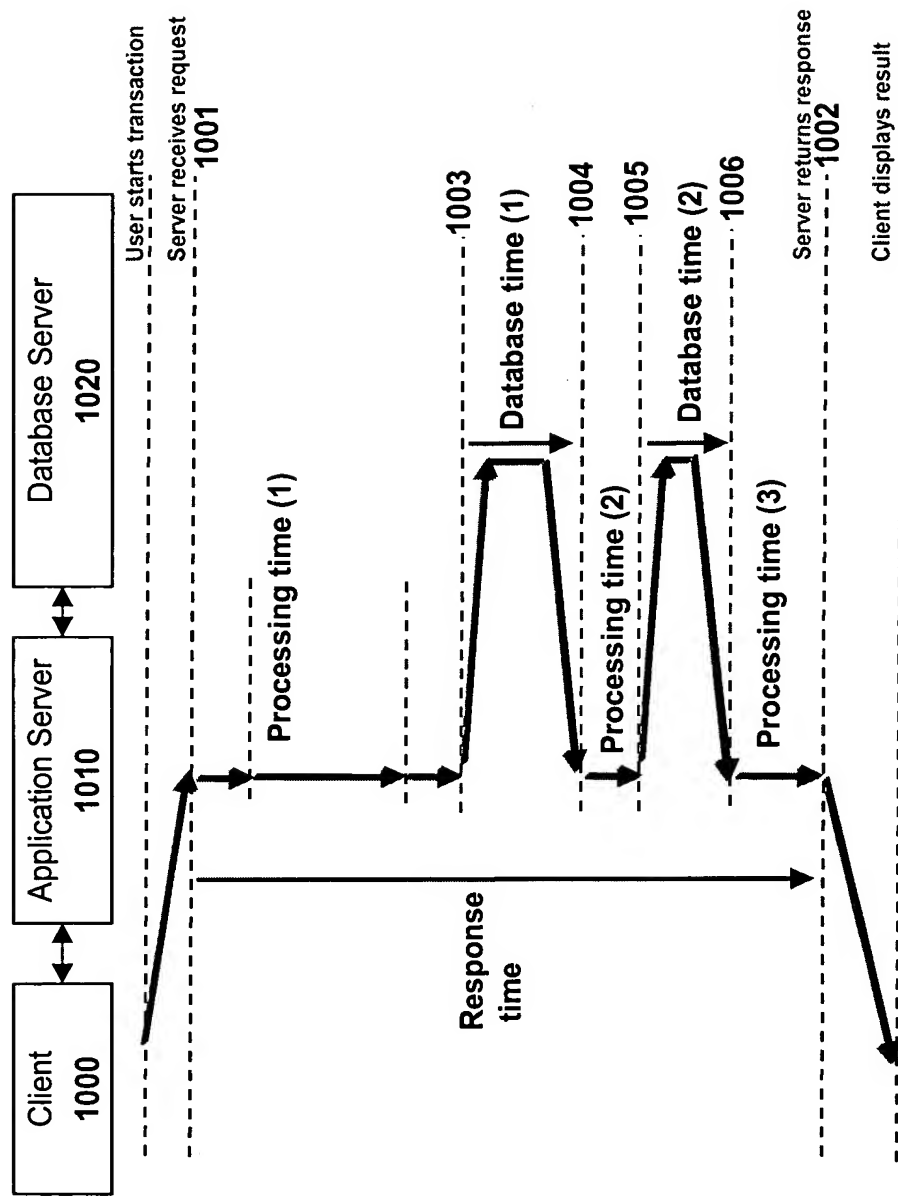


FIG. 10B

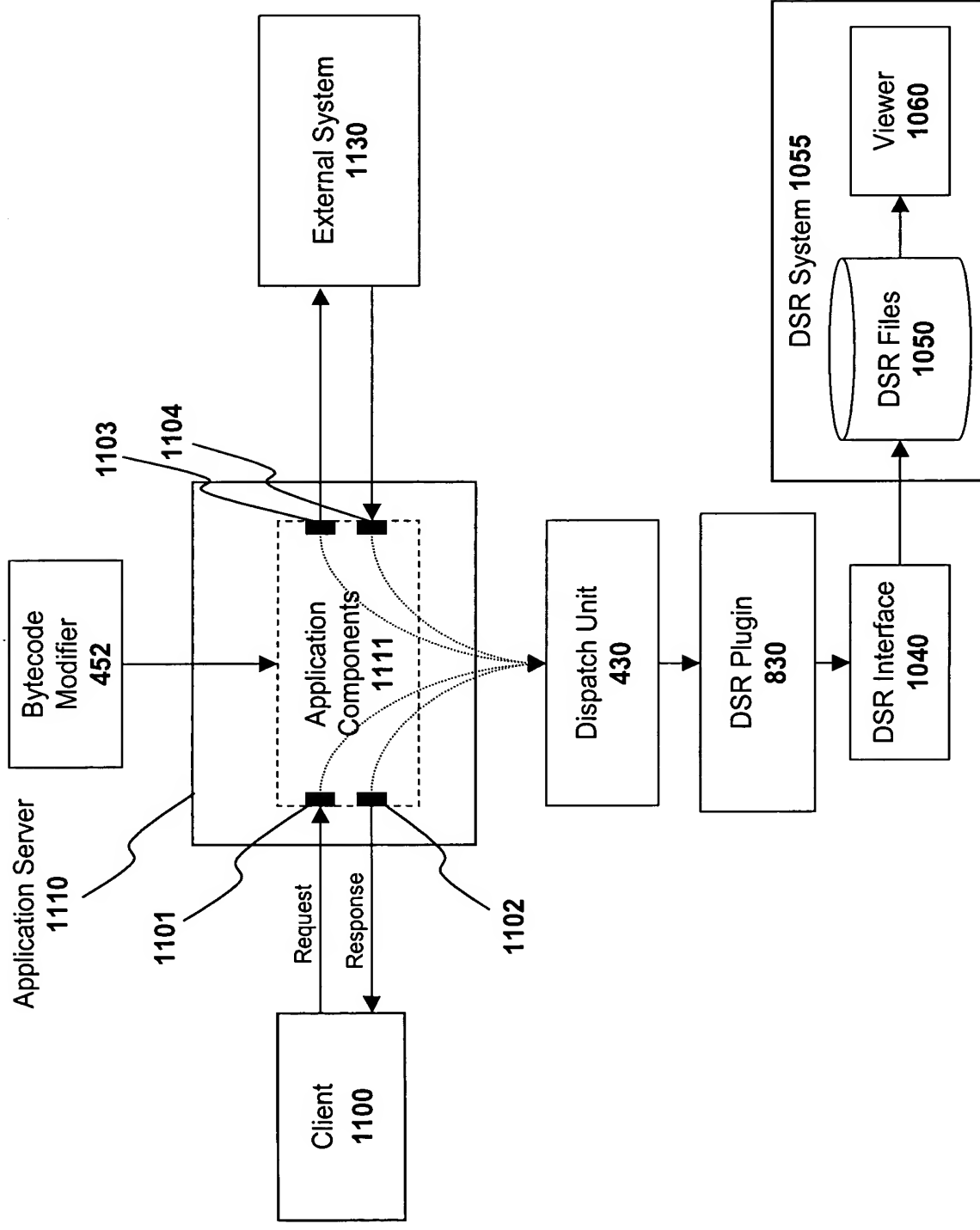
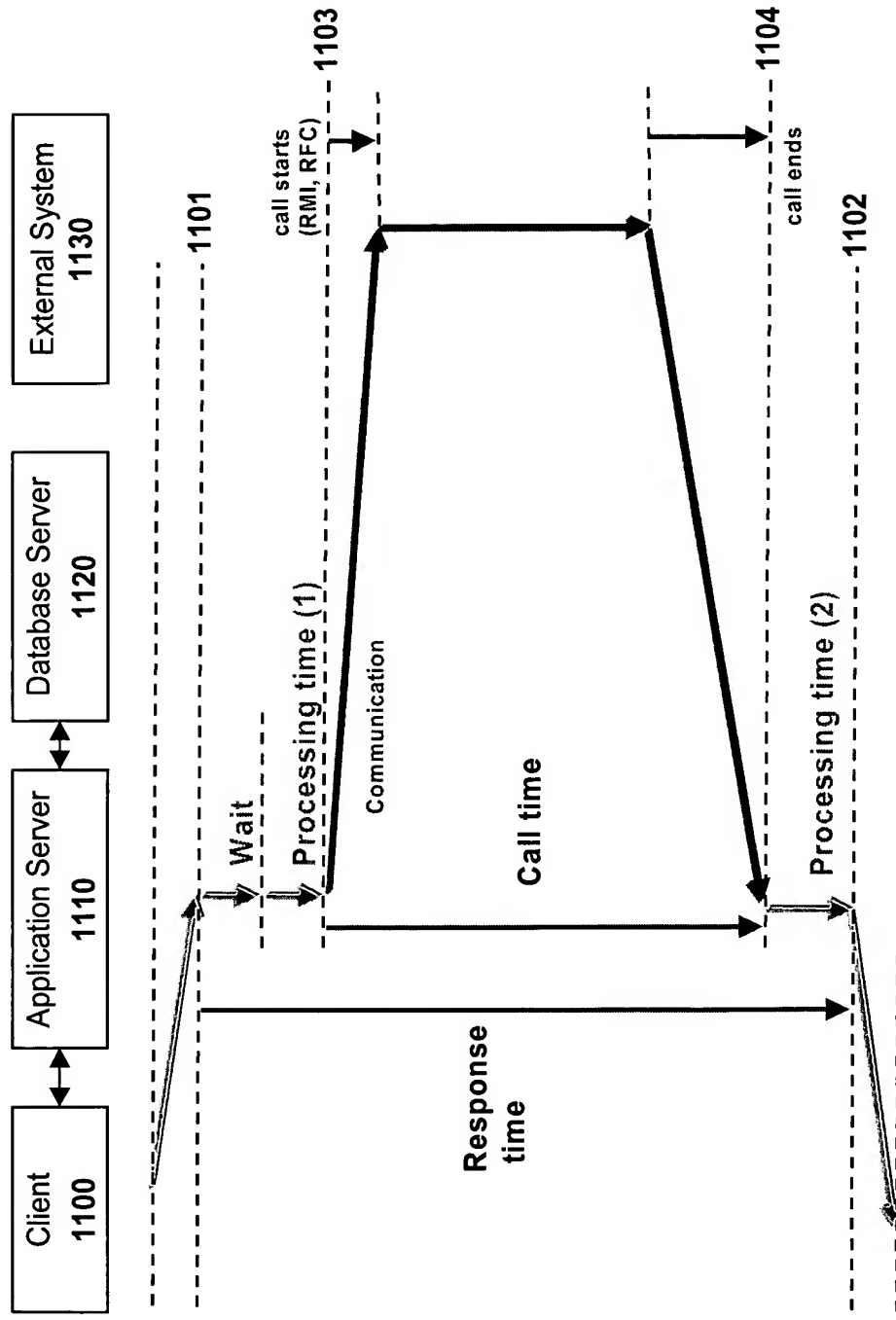


FIG. 11A





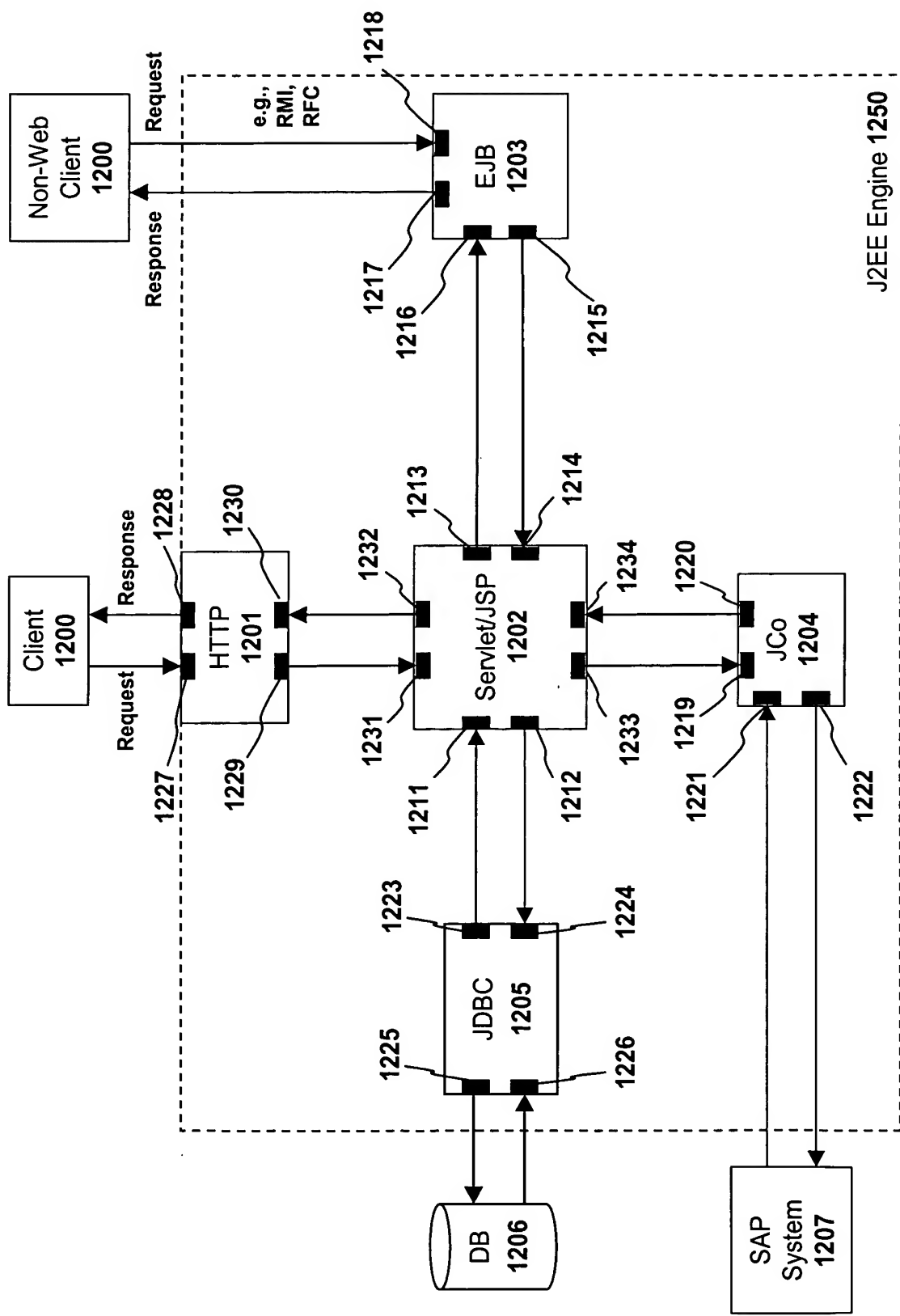


FIG. 12

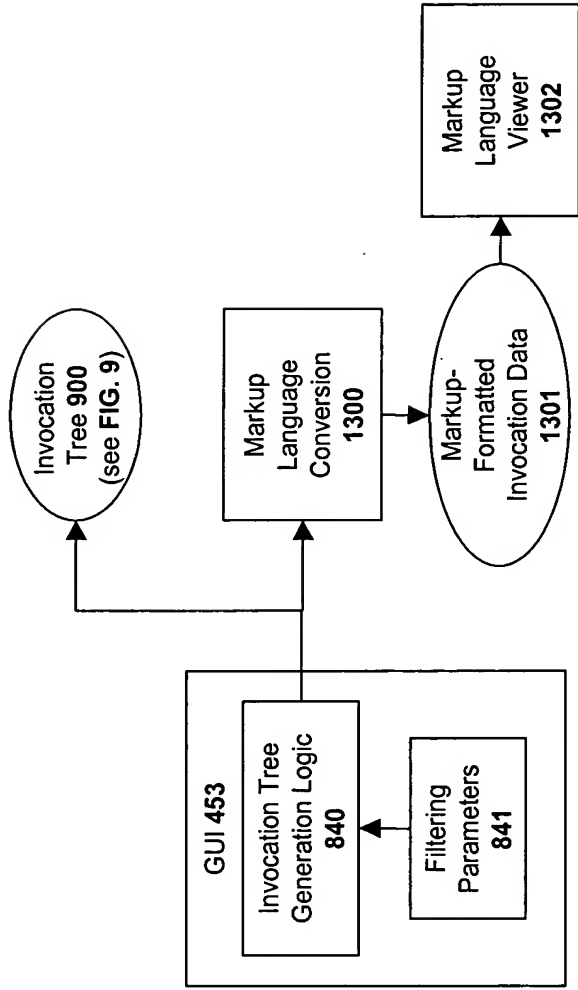


FIG. 13

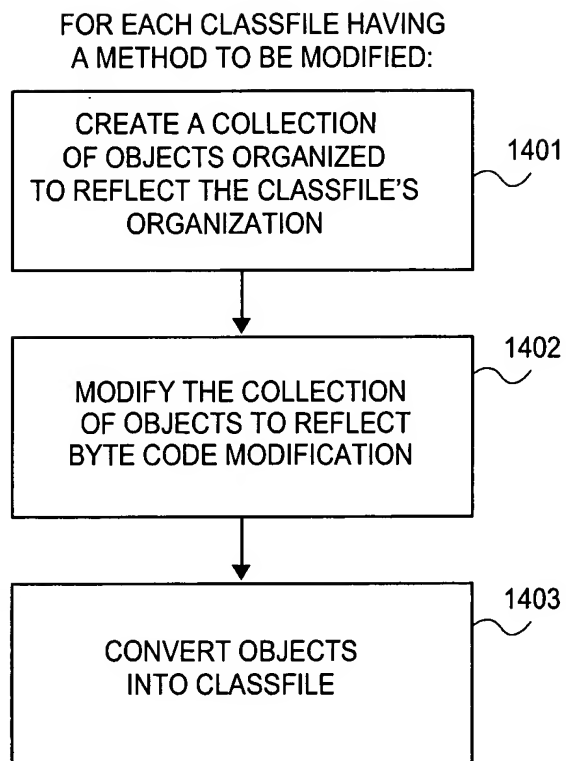


FIG. 14

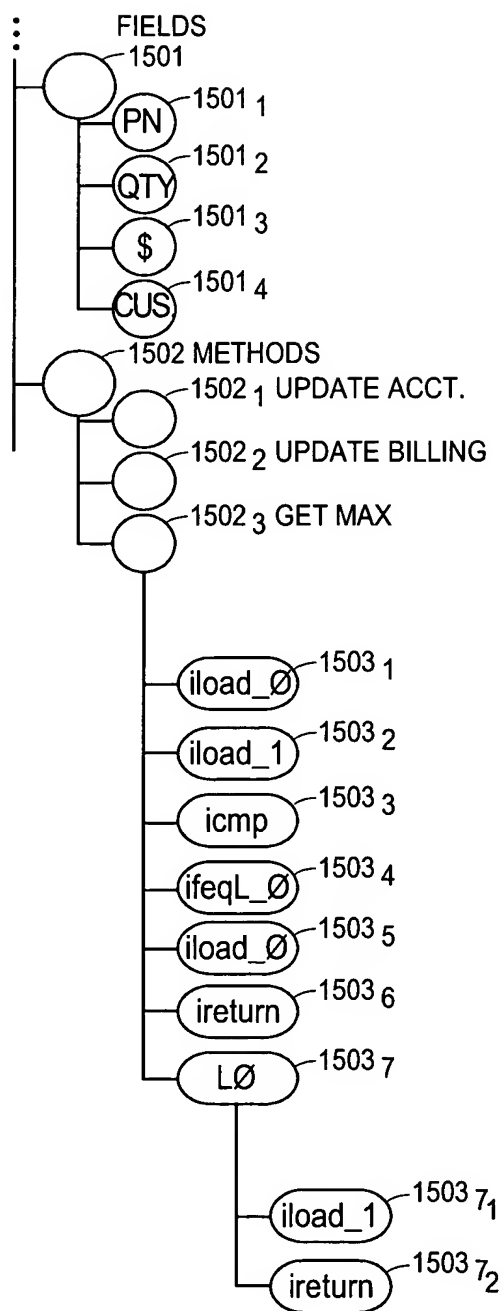


FIG. 15A

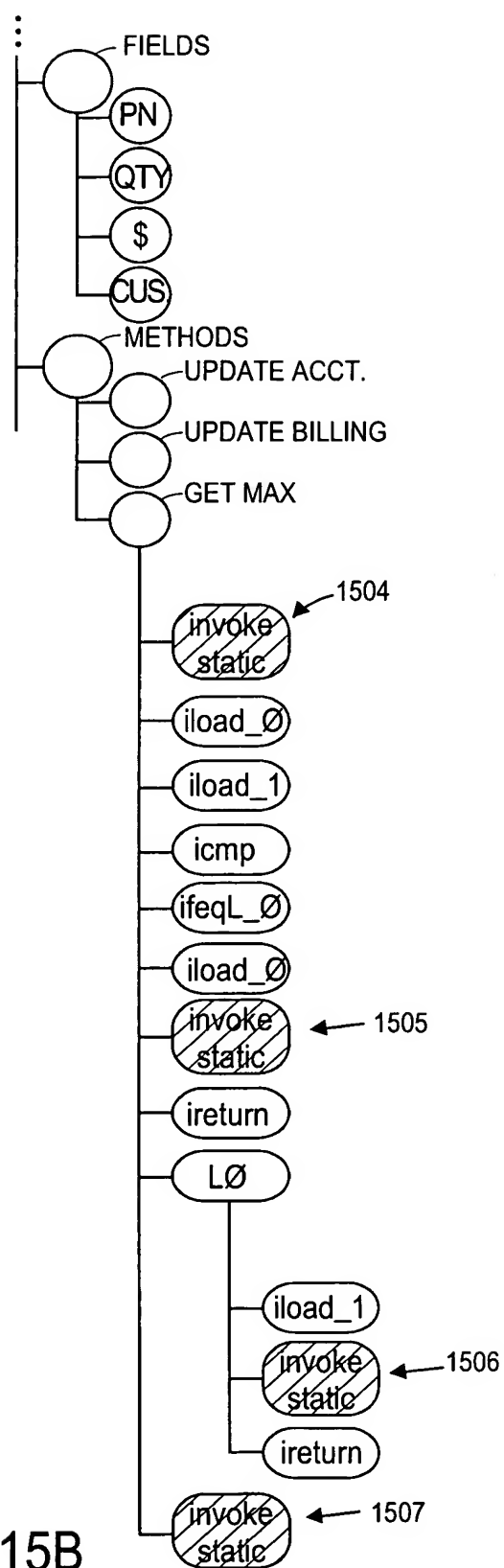


FIG. 15B

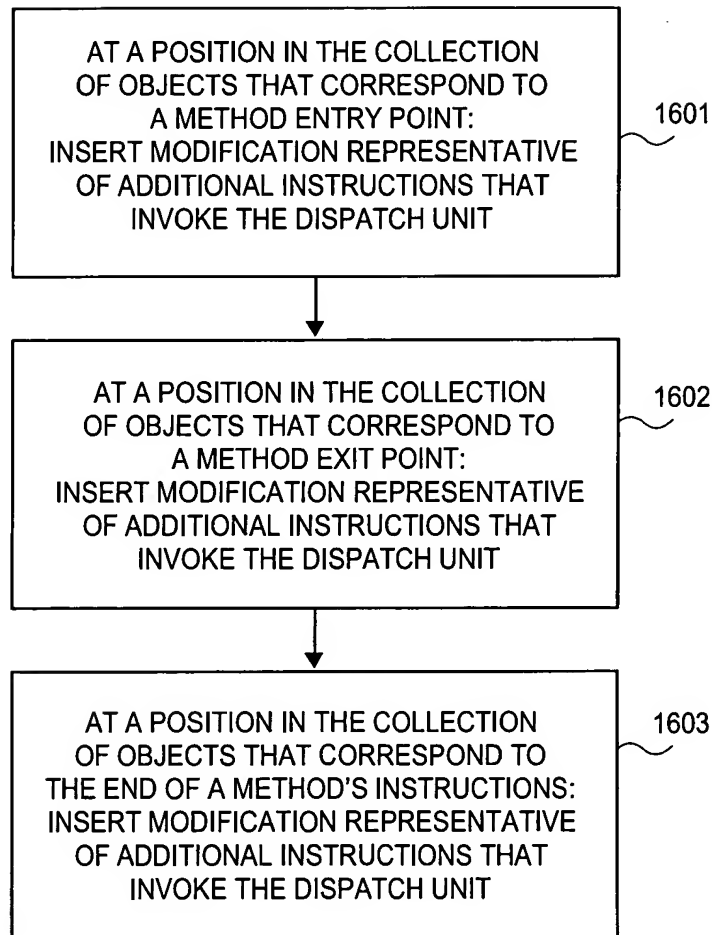
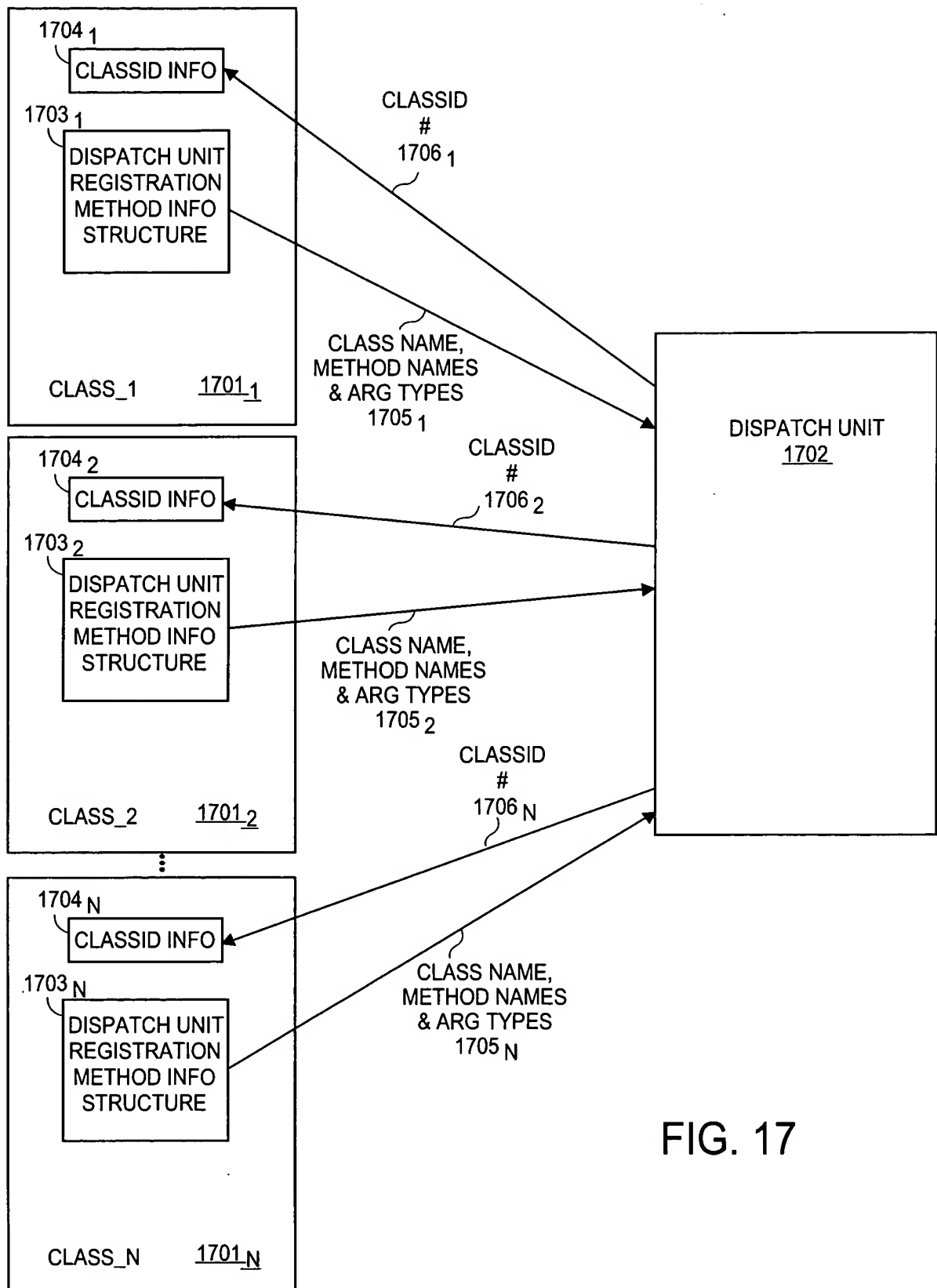


FIG. 16



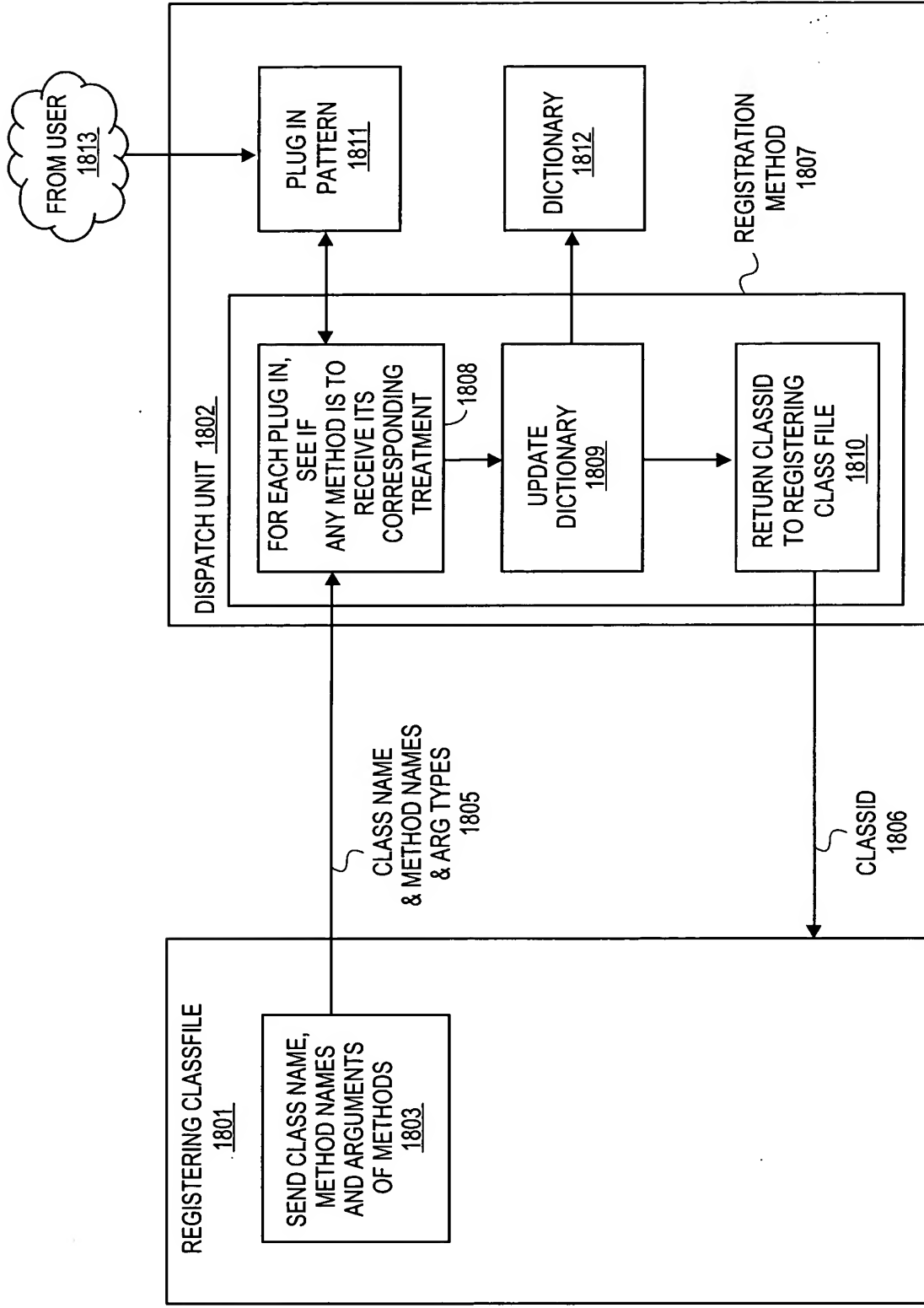


FIG. 18

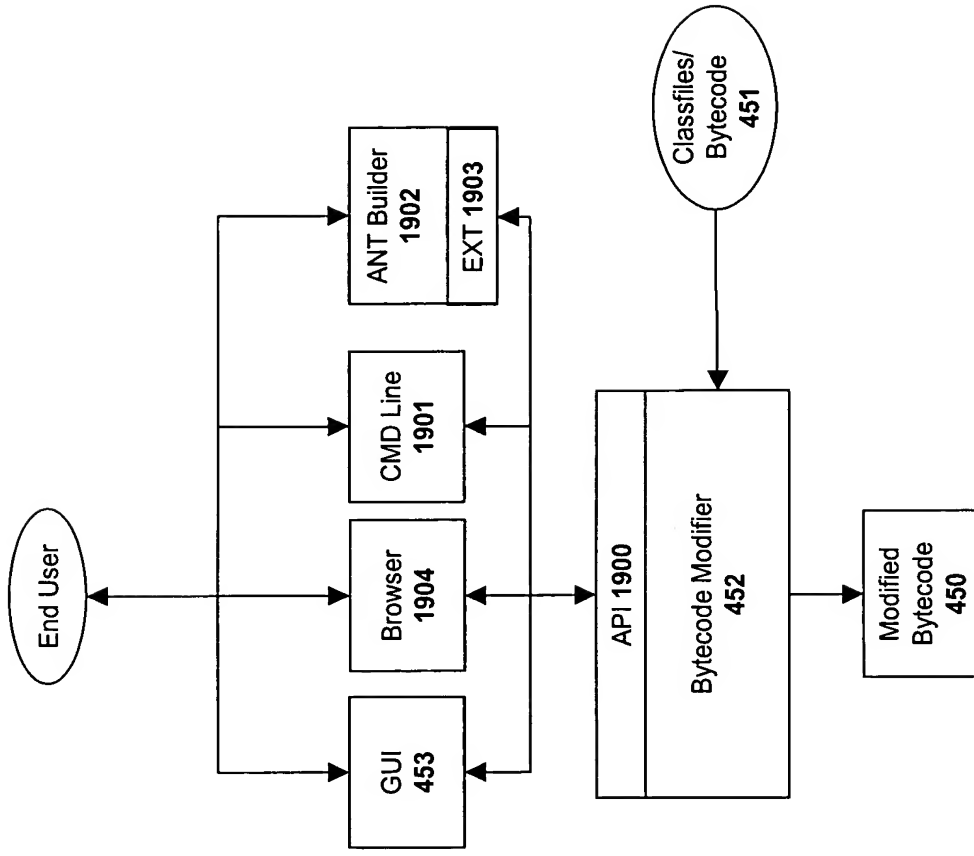


FIG. 19A



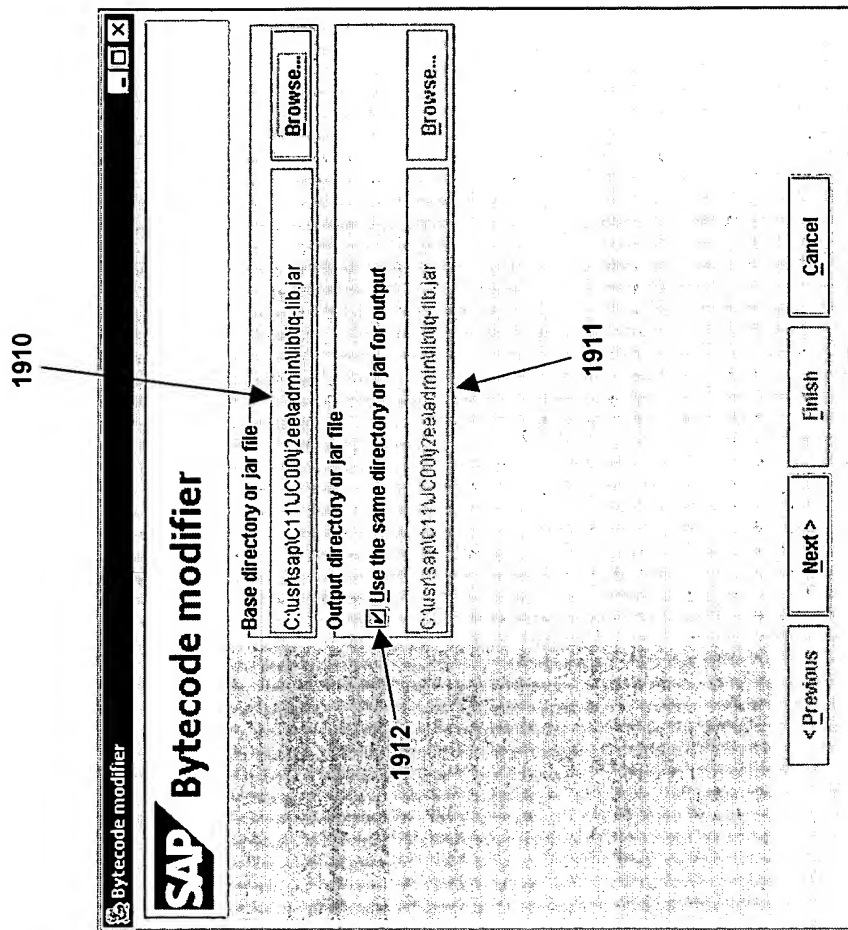
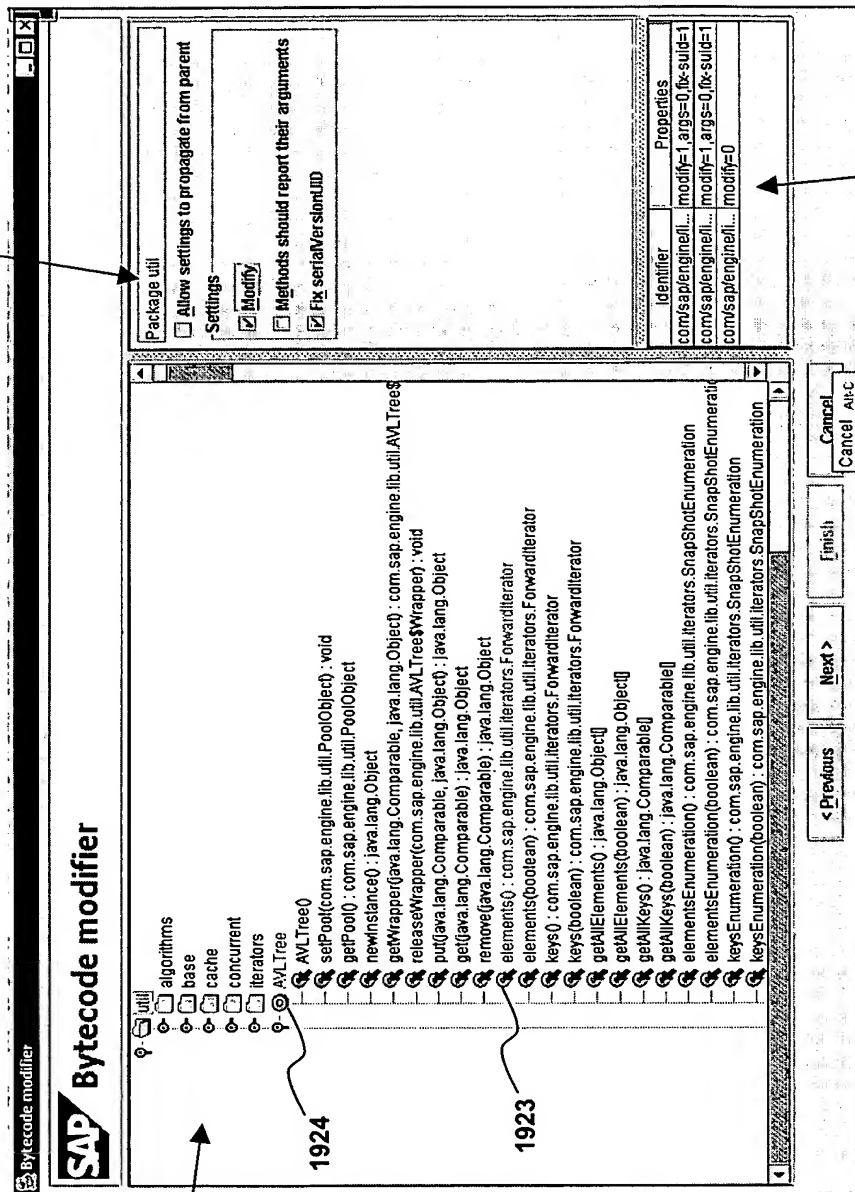


FIG. 19B

1921



1922

FIG. 19C

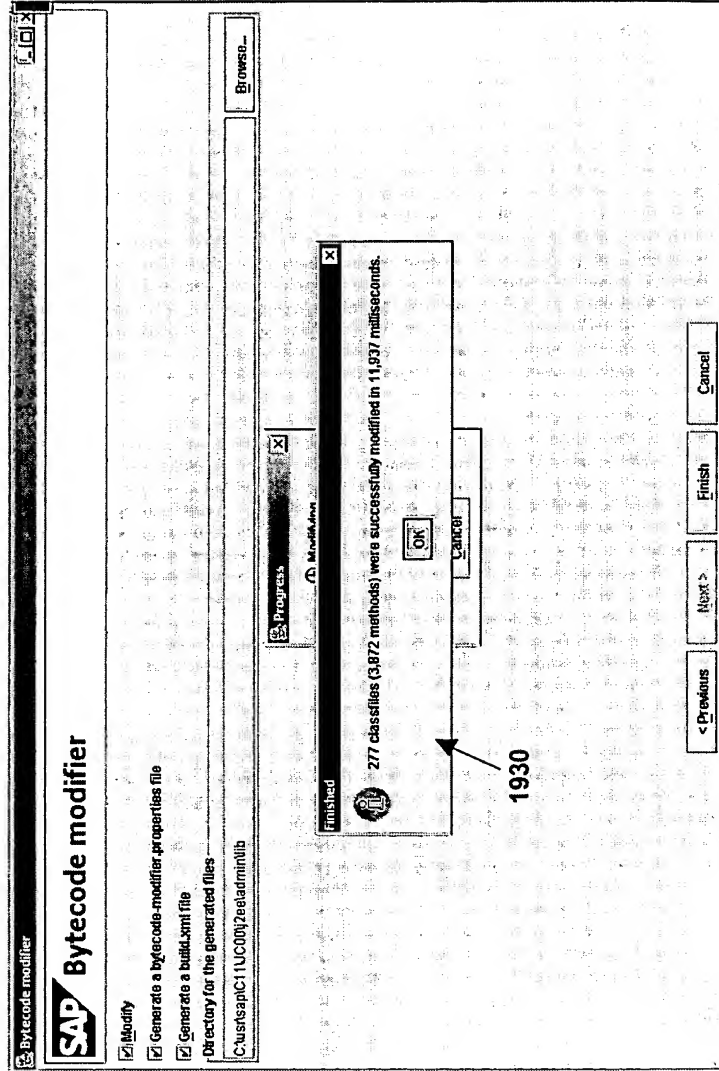


FIG. 19D



1940

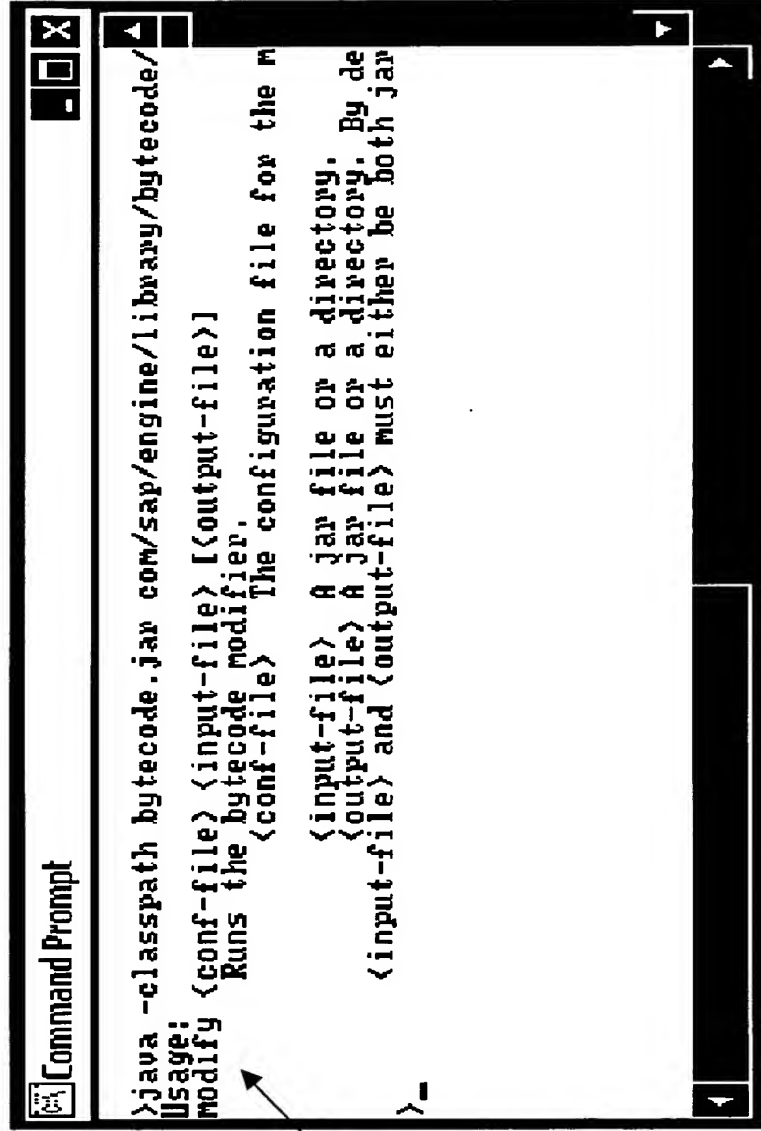


FIG. 19F

ANT Builder 1902
EXT 1903



```

<taskdef name="modify"
  classname="com.sap.engine.library.bytecode.modifier.ModifierTask"
  classpath="bytecode.jar"/>
<modify conf="bytecode-modifier.properties"
  inputFile="D:\temp\classes" outputFile="D:\temp\classes1"
  check="true" verbosity="2" failonerror="true"/>

```



1950

FIG. 19G